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| <b>TRANSMITTAL LETTER TO THE UNITED STATES<br/>DESIGNATED/ELECTED OFFICE (DO/EO/US)<br/>CONCERNING A FILING UNDER 35 U.S.C. 371</b>   |   | ATTORNEY'S DOCKET NUMBER<br>51876P840<br>U.S. APPLICATION NO. (if known, see 37 CFR 1.5)<br><b>10/531634</b> |
| INTERNATIONAL APPLICATION NO.<br>PCT/KR2002/002478  | INTERNATIONAL FILING DATE<br>30 December 2002 | PRIORITY DATE CLAIMED<br>10/16/2002  |
| TITLE OF INVENTION<br>apparatus and method for linearizing adaptive array antenna system  |   |  |
| APPLICANT(S) FOR DO/EO/US<br>Jae Ho Jung, et al.  |   |  |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:   |   |  |
| 1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.<br>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.<br>3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.<br>4. <input checked="" type="checkbox"/> The US has been elected (Article 31).<br>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))<br>a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).<br>b. <input type="checkbox"/> has been communicated by the International Bureau.<br>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).<br>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).<br>a. <input type="checkbox"/> is attached hereto.<br>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4)).<br>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))<br>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).<br>b. <input type="checkbox"/> have been communicated by the International Bureau.<br>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.<br>d. <input type="checkbox"/> have not been made and will not be made.<br>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).<br>9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).<br>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).<br>Items 11 to 20 below concern document(s) or information included:<br>11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.<br>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.<br>13. <input checked="" type="checkbox"/> A preliminary amendment.<br>14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.<br>15. <input type="checkbox"/> A substitute specification.<br>16. <input type="checkbox"/> A power of attorney and/or change of address letter.<br>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825.<br>18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4)).<br>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4)).<br>20. <input checked="" type="checkbox"/> Other items or information.<br><u>return postcard; priority request; formal drawings transmittal; 4 sheets of 4 drawings; copy of international</u><br><u>search report; copy of PCT request; copy of IPER; copy of PCT/IB/332</u> |   |  |

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| U.S. APPLICATION NO. (if known, see 37 CFR 1.5)<br><b>10/531634</b>   |   | INTERNATIONAL APPLICATION NO.<br>PCT/KR2002/002478                            |   | ATTORNEY'S DOCKET NUMBER<br>51876P840 |                     |
| The following fees have been submitted  |   |   |   | <b>CALCULATIONS</b>                   | <b>PTO USE ONLY</b> |
| 21.   | <input checked="" type="checkbox"/> Basic national fee .....  | \$300   | \$  | 300.00                                |                     |
| 22.   | <input checked="" type="checkbox"/> Examination fee<br>If international preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33 (1)-(4) .....<br>All other situations .....  | \$100<br>\$200  | \$  | 200.00                                |                     |
| 23.   | <input checked="" type="checkbox"/> Search fee<br>Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority .....<br>International Search Report prepared and provided to the Office.....<br>All other situations ..... | \$100<br>\$400<br>\$500   |   | 400.00                                |                     |
| <b>TOTAL OF 21, 22 and 23 =</b>   |   |   | \$  | 900.00                                |                     |
| Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250.00 for each additional 50 sheets of paper or fraction thereof.  |   |   |   |                                       |                     |
| Total Sheets  | Extra Sheets  | Number of each additional 50 or fraction thereof (round up to a whole number) | RATE  |                                       |                     |
| 23 - 100 =  | -77 / 50 =  |   | x   | \$                                    |                     |
| Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).  |   |   |   | \$                                    |                     |
| CLAIMS  | NUMBER FILED  | NUMBER EXTRA  | RATE  |                                       |                     |
| Total claims  | 10- 20 =  | 0   | x 50  | \$                                    | 0.00                |
| Independent claims  | 2 - 3 =   | 0   | x 200   | \$                                    | 0.00                |
| MULTIPLE DEPENDENT CLAIM(S) (if applicable)   |   |   | + 360   | \$                                    |                     |
| <b>TOTAL OF ABOVE CALCULATIONS =</b>  |   |   |   | \$                                    | 900.00              |
| <input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees are reduced by 1/2.   |   |   |   | \$                                    | 900.00              |
| <b>SUBTOTAL =</b>   |   |   |   | \$                                    | 450.00              |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)). <input type="checkbox"/>  |   |   |   | \$                                    |                     |
| <b>TOTAL NATIONAL FEE =</b>   |   |   |   | \$                                    | 450.00              |
| Fee for recording the enclosed assignment (37 CFR 1.21(h). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property   |   |   |   | \$                                    |                     |
| Other fee (specify):  |   |   |   |                                       |                     |
| <b>TOTAL FEES ENCLOSED =</b>  |   |   |   | \$                                    | 450.00              |
| Amount to be refunded:  |   |   |   | \$                                    |                     |
| charged:  |   |   |   | \$                                    |                     |
| <p>a. <input checked="" type="checkbox"/> A check(s) in the amount of \$ <u>450.00</u> to cover the above fees is enclosed.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. <u>02-2666</u> in the amount of \$ <u>450.00</u> to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>02-2666</u>. A duplicate copy of this sheet is enclosed.</p> |   |   |   |                                       |                     |
| <p><b>NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b) must be filed and granted to restore the application to pending status.</b></p>   |   |   |   |                                       |                     |
| <p><b>SEND ALL CORRESPONDENCE TO:</b><br/>           Blakely, Sokoloff, Taylor &amp; Zafman LLP<br/>           12400 Wilshire Boulevard, 7th Floor<br/>           Los Angeles, CA 90025<br/>           Telephone: (310) 207-3800</p>  |   |   | <p style="text-align: center;">4/14/05</p> <p>DATE</p> <p style="text-align: center;">Eric S. Hyman</p> <p>SIGNATURE</p> <p>NAME</p> <p style="text-align: center;">30,139</p> <p>REGISTRATION NUMBER</p> |                                       |                     |

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

JAE HO JUNG, ET AL.

Application No.:

Filed:

For: **apparatus and method for linearizing  
adaptive array antenna system**

Art Group:

Examiner:

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**TRANSMITTAL OF FORMAL DRAWINGS**

Sir:

Enclosed herewith for filing in the above-identified U.S. Patent Application are the formal drawings, 4 sheets including 4 Figures. Please charge any additional fees or credit any overpayment to Deposit Account No. 02-2666. A duplicate copy of the Fee Transmittal is enclosed for this purpose.

Respectfully submitted,

Blakely, Sokoloff, Taylor & Zafman LLP

Dated: 4/14/05

Eric S. Hyman  
Eric S. Hyman, Reg. No. 30,139

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